Joint Service Safety Conference

HUMAN FACTORS WORKING GROUP REPORT 28 JULY 2004

CAPT Nick Webster, USN

Joint Service Safety Conference

HFWG

- Membership/Attendees
- Outstanding Business
- New Business
- Recommendations/Decision Items

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- Membership/Attendees
  - DON: CAPT Nicholas Webster, Chair, LCDR Deborah White
  - USAF: COL Kevin O'Toole, LtCol Don White, MAJ Tony Wurmstein
  - USA: LTC Joe McKeon, CW5 Wes Hedman
  - USCG: Tony Carvalhais

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CRM/SD Sub-Groups

- Army 4
- Navy 5
- Marines2
- Coast Guard 2
- Air Force 7
- Industry - 5
- 15 military and 10 civilian

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- Outstanding Business
  - Action Assigned – Human Factors Working Group to develop plan to broaden application of HF analysis across all mishap areas.
    - Suspense Date – Jun 04 JSSC
      - Progress - DoD Human Factors Analysis Classification System 98% complete, outstanding action CRM and SD joint definitions completed by HF sub-groups.

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- Outstanding Business
  - Action Assigned – MGEN Hess proposed HFWG participation in newly formed Aviation Task Force.
    - »Progress: **Complete**

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- New Business
  - Two JSSC HF sub-groups formed:
    - Crew Resource Management
    - Spatial Disorientation
      - Task: Create Joint definition for DoD HFACS
        - » Progress: **Ongoing**
  - Review of DoD HF Taxonomy
    - Clarity, Inter-service application
      - » Progress: **Ongoing**

HFWG SD
Mr. Bill Ercoline, Chair (GD - AFRL/HECI)

- **DOD SD Definition:** A failure to correctly sense a position, motion, or attitude of the aircraft or of oneself within the fixed coordinate system provided by the surface of the earth and the gravitational vertical.
  - Type I (Unrecognized)
  - Type II (Recognized)
  - Type III (Incapacitating)

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HFWG CRM
Dr. Bob Nullmeyer, Chair AFRL/HEA

- **DoD CRM Definition:** The effective use of all available resources by individuals, crews and teams to safely and efficiently accomplish the mission or task.

- **Coordination/Communication/Planning Factors**:
  - Renamed

- **SA and Decision Making HFACS integration**

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Recommendations

1) Distribute SD definitions to AGARD and STANAG through International Journal review.

Suspense - 13 Aug 04 OPR - SD Sub-Group

2) Distribute HFWG "Coordination, Communication, Planning Factors" definitions to ASI-TF HFWG for in-depth review.

Suspense - 13 Aug 04 OPR - CRM Sub-Group.

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Recommendations

3) Review and validate the requirement to include Situational Awareness and Decision Making then send to ASI-TF HFWG for review.

Suspense - 13 Aug 04 OPR-CRM Sub-Group

4) Distribute DoD HFACS to ASI-TF HFWG for in-depth review.

Suspense - 27 Aug 04 OPR-JSSC HFWG

5) Develop CRM decoder for HFACS mapping.

Suspense - 27 Aug 04 OPR-CRM Sub-Group

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COMMENTS